



11-11 1743

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Harold G. Craighead et al.

Title: NANOFABRICATED PHOTON TUNNELING BASED SENSOR

Docket No.: 1153.009US1

Serial No.: 10/010,939

Filed: November 7, 2001

Due Date: July 18, 2006

Examiner: Brian J. Sines

Group Art Unit: 1743

**MS Amendment**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):


☒ Return postcard.

☒ Response Under 37 CFR § 1.111 and Examiner Interview Summary (12 pgs.).

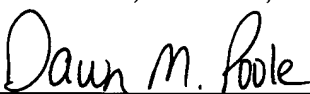
If not provided for in a separate paper filed herewith, Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

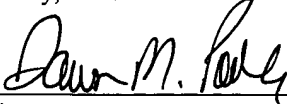
SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer Number 21186

By:   
Atty: David W. Black  
Reg. No. 42,331

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 18th day of July, 2006.

  
Name

  
Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

(GENERAL)



10/N 10/010,939

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Harold G. Craighead et al.

Examiner: Brian J. Sines

Serial No.: 10/010,939

Group Art Unit: 1743

Filed: November 7, 2001

Docket No.: 1153.009US1

Title: NANOFABRICATED PHOTON TUNNELING BASED SENSOR

---

**RESPONSE UNDER 37 CFR § 1.111**  
**AND**  
**EXAMINER INTERVIEW SUMMARY**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

This responds to the Office Action dated April 18, 2006. Please consider the following: